Name _____ Date _____ Class _____

Practice B
Multiplying Mixed Numbers

Multiply. Write each answer in simplest form.

1. $1\frac{2}{3} \cdot \frac{4}{5}$

_____

2. $1\frac{7}{8} \cdot \frac{4}{5}$

_____

3. $2\frac{3}{4} \cdot \frac{1}{5}$

_____

4. $2\frac{1}{6} \cdot \frac{2}{3}$

_____

5. $2\frac{2}{5} \cdot \frac{3}{8}$

_____

6. $1\frac{3}{4} \cdot \frac{5}{6}$

_____

7. $1\frac{1}{6} \cdot \frac{3}{5}$

_____

8. $\frac{2}{9} \cdot 2\frac{1}{7}$

_____

9. $2\frac{3}{11} \cdot \frac{7}{10}$

_____

Find each product. Write the answer in simplest form.

10. $\frac{6}{7} \cdot 1\frac{1}{4}$

_____

11. $\frac{5}{8} \cdot 1\frac{3}{5}$

_____

12. $2\frac{4}{9} \cdot \frac{1}{6}$

_____

13. $1\frac{3}{10} \cdot 1\frac{1}{3}$

_____

14. $2\frac{1}{2} \cdot 2\frac{1}{2}$

_____

15. $1\frac{2}{3} \cdot 3\frac{1}{2}$

_____

16. Dominick lives $1\frac{3}{4}$ miles from his school. If his mother drives him half the way, how far will Dominick have to walk to get to school?

_____

17. Katoni bought $2\frac{1}{2}$ dozen donuts to bring to the office. Since there are 12 donuts in a dozen, how many donuts did Katoni buy?

_____

Holt McDougal Mathematics

LESSON
5-8

Problem Solving
Multiplying Mixed Numbers

Use the recipe to answer the questions.

1. If you want to make $2\frac{1}{2}$ batches, how much flour would you need?

   _____

2. If you want to make only $1\frac{1}{2}$ batches, how many cups of chocolate chips would you need?

   _____

3. You want to bake $3\frac{1}{4}$ batches. How much vanilla do you need in all?

   _____

CHOCOLATE CHIP COOKIES Servings: 1 batch
$1\frac{2}{3}$ cups flour
$\frac{3}{4}$ teaspoon baking soda
$\frac{1}{2}$ cup white sugar
$2\frac{1}{3}$ cups semisweet chocolate chips
$\frac{1}{2}$ cup brown sugar
$\frac{3}{4}$ cup butter
1 egg
$1\frac{1}{4}$ teaspoons vanilla

Choose the letter for the best answer.

4. If you make $1\frac{1}{4}$ batches, how much baking soda would you need?

   A $\frac{3}{16}$ teaspoon   C $\frac{3}{5}$ teaspoon

   B $\frac{5}{16}$ teaspoon   D $\frac{15}{16}$ teaspoon

5. How many cups of white sugar do you need to make $3\frac{1}{2}$ batches of cookies?

   F $3\frac{1}{2}$ cups   H $1\frac{1}{2}$ cups

   G $1\frac{3}{4}$ cups   J $1\frac{1}{4}$ cups

6. Dan used $2\frac{1}{4}$ cups of butter to make chocolate chip cookies using the above recipe. How many batches of cookies did he make?

   A 3 batches   C 5 batches

   B 4 batches   D 6 batches

7. One bag of chocolate chips holds 2 cups. If you buy five bags, how many cups of chips will you have left over after baking $2\frac{1}{2}$ batches of cookies?

   F $4\frac{1}{6}$ cups   H $2\frac{1}{3}$ cups

   G $5\frac{5}{6}$ cups   J $\frac{1}{3}$ cups

Holt McDougal Mathematics